

# OXYGEN '95

NOVEMBER 16-20, 1995

HUNTINGTON RITZ-CARLTON HOTEL IN  
PASADENA, CALIFORNIA

ANNOUNCEMENT & CALL FOR PAPERS

## PRESIDENT'S INVITATION

On behalf of The Oxygen Society and the Oxygen '95 planning committee, I extend a warm invitation to you to attend The Oxygen Society's Annual Meeting in Pasadena, California. This scientific convocation will bring together free radical researchers from diverse fields and will be held from November 16-21, 1995.

The meeting is designed to explore important new issues in free radical chemistry and biology and will introduce attendees to 20 invited speakers who are advancing novel and important concepts in the field of free radical biology and medicine. We will be emphasizing oxidant-mediated transcriptional regulation, novel antioxidant therapeutics, new aspects of toxicology, the biochemistry of nitric oxide, recent discoveries in understanding mechanisms of apoptosis and current advances in the understanding and treatment of disease processes for which reactive species are playing a seminal pathogenic role.

The regular meeting will be preceded by a one-day optional workshop on nitric oxide chemistry and biology on November 16. During the four-day meeting, three plenary speakers will present lectures each morning. The afternoon will follow with two parallel afternoon sessions, chaired by an invited speaker and by three speakers chosen by the organizing committee from submitted abstracts. Thematically-grouped poster sessions will be on display all day, with official presentation times from 4:30-6:30 PM each day. Afternoon thematic sessions will conclude with extended discussion sessions designed to address controversies and involve the audience. Since most of the invited speakers will be selected from submitted abstracts, communication of late-breaking advances and optimal interactions between



the Society membership and meeting participants will occur.

The Free Radical School will be held from 7:00-8:45 AM each day of the four-day meeting, with established senior scientists speaking on different areas of free radical biology, allowing time for questions and discussion. For an hour at lunchtime each day, a "Meet the Scientist" session will be scheduled to provide free-ranging discussions between senior academic investigators, biotechnology entrepreneurs and interested young investigators on career paths in free radical biology and research funding strategies in both industry and academia.

The Ritz-Carlton Huntington Hotel is located in a hilly suburb of Los Angeles in a peaceful wooded neighborhood. There are excellent recreational facilities on the large hotel grounds and we will be surrounded by an area of Pasadena famous for restaurants, coffee houses, bars and clubs, to which we have arranged free transportation.

The 1995 Oxygen Society meeting will explore and reveal important new issues in free radical research. Your support of the meeting by submitting abstracts and your participation will assure that the highest standards of scientific excellence will be maintained. The stimulation of interdisciplinary interactions for which The Oxygen Society is noted will also then be accomplished!

*Bruce A. Freeman, Ph.D.*

*Departments of Anesthesiology,*

*Biochemistry and Molecular Genetics and Pediatrics*

*University of Alabama at Birmingham*

*President, The Oxygen Society*

74 New Montgomery, Suite 230, San Francisco, California 94105-3411 415.546.3124 fax 415.764.4915

*President: Bruce Freeman, President-elect: William Pryor, Secretary General: Norman Krinsky, Treasurer: Enrique Cadenas, Executive Director: Carol H. Parlette, M.P.H. Council Members: Ohara Augusto, Ann Aust, Anne Autor, Tammy Bray, Arthur Cederbaum, Linda Clerch, Kelvin Davies, Robert Floyd, Krystyna Frenkel, Matthew Grisham, Balaraman Kalyanaraman, Brooke Mossman, Larry Oberley, John Repine, Alex Sevanian*

Source: <https://www.industrydocuments.ucsf.edu/docs/ztc0000>

## SCIENTIFIC PROGRAM

**FRIDAY,  
NOVEMBER 17**

### Plenary Lecturers

Mark Gurney, Ph.D., *ALS, SOD Mutations and Neurodegenerative Processes*

Dale Bredesen, Ph.D., *Bcl Protein and Regulation of Antioxidant Gene Expression*

Bruce Demple, Ph.D., *Oxidative Stress Genes and Proteins*

### Afternoon Parallel Session

*Oxidative DNA Damage and Apoptosis,*  
Ohara Augusto, Ph.D.

*Oxidant Injury and Antioxidants,*  
John Hoidal, M.D.

**SATURDAY,  
NOVEMBER 18**

### Plenary Lecturers

Gisela Storz, Ph.D., *Prokaryotic Gene Expression Responses to Oxidant Stress*

Russell Medford, M.D., *NFkB and Oxidant Transcriptional Control Mechanisms*

Lois Epstein, Ph.D., *Cytokine Regulation of Antioxidant Enzyme Synthesis*

### Afternoon Parallel Session

*Transcriptional Regulation by Oxidants,*  
Sonia Flores, Ph.D.

*Inflammatory Events and Oxidant Stress,*  
Seymour Klebanoff, M.D.

**SUNDAY,  
NOVEMBER 19**

### Plenary Lecturers

Louis Ignarro, Ph.D., *Regulation of Nitric Oxide Synthesis and Action*

Bruce Pitt, Ph.D., *Oxygen Radical, Nitric Oxide and Metallothionein Interactions*

Gisela Witz, Ph.D., *Xenobiotic Metabolism by Reactive Oxygen Species*

### Afternoon Parallel Session

*Nitric Oxide Regulation of Oxidant Reactions,*  
Jack Lancaster, Ph.D.

*Transition Metals and Metalloproteins,*  
Gregory Vercillotti, M.D.

**MONDAY,  
NOVEMBER 20**

### Plenary Lecturers

Tom McIntyre, M.D., *Oxidized Phospholipids as Inflammatory Mediators*

Carl White, M.D., *Redox Regulation of Transcription Factors*

Alan Fogelman, M.D., *Free Radical Mechanisms Underlying Atherogenesis*

### Afternoon Parallel Session

*Lipid and Lipoprotein Oxidation,*  
Sampath Parthasarathy, Ph.D.

*Oxidant-Mediated Signal Transduction,*  
Michael Wolin, Ph.D.

## THE FREE RADICAL SCHOOL

We are pleased to institute a new Oxygen Society tradition, the sunrise Free Radical School, which will be held from 7:00 - 8:00 AM each morning of the meeting. The Free Radical School is designed to provide a detailed overview of the basic concepts of free radical chemistry and biology and is targeted towards students, fellows and those wishing to learn about new areas. Organized by Drs. Garry Buettner and Larry Oberley, a faculty of highly respected investigators in free radical research will deliver lectures and provide key literature references in their subject areas. The following subjects will be covered in Oxygen '95:

### Friday, November 17

#### *Session 1 - The Basics*

Basic Free Radical Chemistry, Garry Buettner

Metals and Redox Reactions, Steve Aust

### Saturday, November 18

#### *Session 2 - Production of Free Radicals*

Cellular Sources of Reactive Species, James Crapo

Xenobiotics Photochemistry, Balaraman Kalyanaraman

### Sunday, November 19

#### *Session 3 - Targets of Free Radicals*

Lipid and LDL Oxidation, Balz Frei

DNA, Stuart Linn

### Monday, November 20

#### *Session 4 - Antioxidant Systems*

Low Molecular Weight Antioxidants, Norman Krinsky

Antioxidant Enzyme Systems, Larry Oberley

***Become a member of  
The Oxygen Society at no extra cost  
by registering as a New Member now!***

Please note that if you are not currently a member or student member of The Oxygen Society, the registration fee allows you to join the Society at no extra cost. Membership in The Oxygen Society also includes membership in the International Society for Free Radical Research (SFFR International). Your one-year dues of \$75 are already included in the New member/New Student member registration fees. New members will receive monthly issues of the *Society Journal*, *Free Radical Biology & Medicine*, as well as newsletters from The Oxygen Society and from SFFR International.

## ADDITIONAL WORKSHOP

### NITRIC OXIDE WORKSHOP

We will present a one-day workshop on the chemistry and biology of nitric oxide on Thursday, November 16. This workshop will provide familiarity with new concepts, experimental methods and technical pitfalls in the study of the oxidative reactions of  $\bullet\text{NO}$  and peroxynitrite  $\text{ONOO}^-$ . The day will be divided into morning lectures and afternoon experimental demonstrations to small rotating groups of participants. The workshop is designed to provide a scientific foundation and practical expertise in diverse aspects of nitric oxide actions and reactivities, as well as to relate how this free radical species impacts on processes of tissue oxidant stress.

#### *Morning Lectures*

Introduction and Welcome, *Joseph Beckman*

- Molecular Biology and Enzymology of Nitric Oxide Synthases, *Bruce Pitt*
- Nitric Oxide Synthase Inhibitors, *Ron Tilton*
- Reactions and Diffusion of  $\bullet\text{NO}$ , *Joseph Beckman*
- Theoretical Predictions of  $\bullet\text{NO}$  and  $\text{ONOO}^-$  Reactions, *Tracy Hamilton*
- Working with  $\bullet\text{NO}$  and  $\bullet\text{NO}$  Donors, *Rafael Radi*
- Peroxynitrite Reactivities, *William Pryor*
- Biological Detection of  $\text{ONOO}^-$ , *John Crow*

#### *Afternoon Experimental Demonstrations (by the faculty)*

- Chemiluminescent and Electrochemical Detection of  $\bullet\text{NO}$
- Peroxynitrite Synthesis and Detection
- ESR Analysis of  $\bullet\text{NO}$  and its Reactions
- Computational Quantum Mechanics Analysis of  $\bullet\text{NO}$  Reactions
- Nitration Reactions Mediated by  $\bullet\text{NO}$  and their Detection via Spectroscopic, HPLC and Immunochemical Techniques

A detailed course manual, lunch and post-workshop reception and discussions with faculty is planned for attendees. Because of the need to limit the size of groups rotating at experimental stations in the afternoon, attendance will be limited to the first 75 applicants, so it is advisable to register early! A separate fee of \$100 for preregistered or \$150 for on-site registrants will be charged for the Nitric Oxide Workshop (see enclosed registration form). Participants should plan to arrive early Wednesday, November 15 to be ready for our morning session.

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NOVEMBER 16-20, 1995

HUNTINGTON RITZ-CARLTON HOTEL IN  
PASADENA, CALIFORNIA

ANNOUNCEMENT & CALL FOR PAPERS

## PROGRAM SCHEDULE

Time	Thursday November 16	Friday November 17	Saturday November 18	Sunday November 19	Monday November 20
7:00 - 8:30		F r e e R a d i c a l S c h o o l			
9:00 - 10:00	Optional  Nitric Oxide  Course Lectures	Plenary Lecture 1	Plenary Lecture 4	Plenary Lecture 7	Plenary Lecture 10
10:00 - 10:30		Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:30 - 12:30		Plenary Lectures 2 and 3	Plenary Lectures 5 and 6	Plenary Lectures 8 and 9	Plenary Lectures 11 and 12
12:00 - 2:00	Lunch	Lunch	Lunch	Lunch	Lunch
2:00 - 4:30	Optional Nitric Oxide Course - Practical Demonstrations	2 Parallel Sessions: Selected Lectures, and Round Table Discussions of A.M. & P.M. Lectures	2 Parallel Sessions: Selected Lectures, and Round Table Discussions of A.M. & P.M. Lectures	2 Parallel Sessions: Selected Lectures, and Round Table Discussions of A.M. & P.M. Lectures	2 Parallel Sessions: Selected Lectures, and Round Table Discussions of A.M. & P.M. Lectures
4:30 - 6:30		Poster Session 1	Poster Session 2	Poster Session 3	Poster Session 4
Evening	Welcome Reception	Free Evening	6:30 pm Oxygen Society Business Meeting	7:30 pm Banquet/Awards	Farewell Reception

THE OXYGEN SOCIETY, 74 NEW MONTGOMERY, SUITE 230, SAN FRANCISCO, CA 94105-3411

TEL: 415.546.3124 FAX: 415.764.4915 INTERNET: 76125.3071@compuserve.com

## GENERAL INFORMATION

### Meeting Dates:

Friday, November 17 - Tuesday, November 21, 1995. Nitric Oxide Workshop participants should arrive by Wednesday night in order to attend the workshop on Thursday, November 16. All others should arrive in Los Angeles by Thursday evening, November 17, in time for the Opening Reception at 7:00 p.m. The Registration Desk will be open starting at 3 p.m. on Thursday. All registrants should plan on leaving Los Angeles on Tuesday, November 21 since Monday, November 20, will contain a full day of programming.

### Place:

The Ritz-Carlton, Huntington Hotel, Pasadena, California, USA. Participants of Oxygen '95 will be housed at the luxurious Ritz-Carlton in Pasadena, California, a lovely, quiet suburb of Los Angeles. Room rates are \$100 single; \$120 double. A reservation envelope is included with this packet. Call The Oxygen Society headquarters for more information or call the hotel at 818-568-3900.

### Official Language:

English is the official language of the Conference. No simultaneous translation will be provided.

### Abstracts:

Scientists who wish to have their abstract considered for oral and poster presentation must register for the meeting at the time of abstract submittal. Abstract deadline: September 1, 1995. All submitted abstracts will appear in the meeting's printed proceedings.

### Key Dates:

**September 1, 1995**

Submission deadline for abstract to be considered for oral presentation.

**October 16, 1995**

Hotel reservation deadline. Reservations received after this date will be accepted on a space-available basis only.

**October 20, 1995**

Early-bird registration deadline for registering with no late fee.

### Registration Fee:

Note registration fees delineated on the Registration Form. Full registration includes admission to all scientific sessions (except the Nitric Oxide Workshop), all receptions, and the Banquet.

### Contact:

Mail Annual Meeting registration forms to:  
The Oxygen Society, 74 New Montgomery, Suite 230,  
San Francisco, California 94105-3411, U.S.A.

### Guest Registration:

Includes all receptions, the Banquet, and use of the Hospitality Room.

### Registration Policies:

Only those individuals who are registered and have a badge may attend conference events. Spouses must register if they attend conference events. To be eligible for the early-bird discount, you must send your payment with the form.

### Payment of Fees:

Payment of fees may be made with either a check, VISA, or MasterCard. All checks must be made in U.S. Dollars, drawn on U.S. Banks. U.S. Postal Money Orders and U.S. Travelers Checks will also be accepted.

### Cancellations:

Cancellations received by November 10 will be eligible for a refund with a \$50 processing fee. Cancellations received after November 10 WILL NOT be eligible for refunds. All cancellation requests must be submitted in writing.

### Airport to Hotel Transportation:

International flyers will need to arrive at the Los Angeles International Airport (LAX). Western attendees may prefer flying to Burbank which is somewhat closer. Taxis may be expensive. Several shuttle services are available. The Ritz-Carlton recommends USA Shuttle at 818-995-2400

### International Attendees:

The Oxygen Society member rates are extended to all international attendees belonging to SFRR International. Otherwise, non-member rates apply.

### Welcome Mixer:

Make sure you arrive in time to attend the Reception on Thursday at 7:00 p.m! Fee: Included in Registration.

### Farewell Reception:

Please stay for the farewell reception on Monday evening.

### Banquet:

The Society banquet will take place Sunday evening at 7:30 p.m. Your registration fee includes this special dinner. The Ritz-Carlton's classic cuisine will not be forgotten.

### Young Investigator Awards:

The Oxygen Society Young Investigator Awards will be presented to graduate students and postdoctoral fellows. Awardees will be chosen for the best abstracts submitted by graduate students and postdoctoral fellows. Candidates for Young Investigator Awards must be first authors on a submitted abstract, must check the appropriate box on the abstract form (enclosed), and must be fully registered to attend the meeting. Eligible graduate students must be enrolled in an accredited full-time doctoral degree program at the time of abstract submission. Eligible postdoctoral fellows must be engaged in full-time postdoctoral research, and must have no more than five years of research experience beyond the doctoral degree.

# OXYGEN '95

2ND ANNUAL MEETING OF THE OXYGEN SOCIETY

## ABSTRACT FORM

Note that all abstracts must be accompanied by completed registration forms and fees. The first author of this abstract must present the work at the meeting. An original of this form (not a fax) must be received by Sept. 1.

### SUBJECT AREAS FOR ABSTRACTS

1. Basic Free Radical Chemistry
2. Metals, Metalloproteins and Redox Reactions
3. Cellular Sources and Injury from Reactive Species
4. Inflammation
5. Nitric Oxide & Peroxynitrite
6. Xenobiotic-Derived Reactive Species
7. Photochemistry
8. Lipid & Lipoprotein Oxidation
9. DNA Oxidation
10. Transcriptional Regulation
11. Low Molecular Weight Antioxidants
12. Antioxidant Enzyme Systems

The first author is a member (includes new members) of:

- \_\_\_\_\_ The Oxygen Society, including those who are joining the society now
- \_\_\_\_\_ SFRR Europe, SFRR Japan, SFRR Australasia
- \_\_\_\_\_ None of the above

First author's name and full mailing address:

Name \_\_\_\_\_

Professional Title (e.g. professor, graduate student, etc.) \_\_\_\_\_ Highest Degree \_\_\_\_\_

Full Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Country \_\_\_\_\_ Zip Code \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

\_\_\_\_\_ Check here if you wish your abstract to be considered for afternoon oral presentation. Three abstracts for each session will be selected to present their work as a talk ( a total of 24 people). All other abstracts will be scheduled for poster presentations. Please note that the first author of this abstract must present the work. Abstracts must be received by September 1, 1995 to be considered for oral and poster presentation.

\_\_\_\_\_ Check here if you are the first author of this abstract and wish to be considered for an Oxygen Society Young Investigator Award. You must be a member (existing or new) of The Oxygen Society to be eligible. You must be either (CHECK ONE) \_\_\_\_\_ a full-time graduate student (doctoral candidate), or \_\_\_\_\_ a postdoctoral fellow within five years of receiving your doctoral degree. Awards will be presented to graduate students/postdoctoral fellows.

Copies of this form may be made for additional abstract submissions

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2ND ANNUAL MEETING OF THE OXYGEN SOCIETY  
NOVEMBER 16-20, 1995 PASADENA, CALIFORNIA

## REGISTRATION FORM

Name \_\_\_\_\_

Affiliation (for badge, please limit to 18 characters) \_\_\_\_\_

Address (for confirmation) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_ Country \_\_\_\_\_

Guest Name \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

### Registration Fees: (Mark Appropriate Boxes)

	Preregistered	On-Site
<input type="checkbox"/> Member	\$300	\$350
<input type="checkbox"/> New Member*	\$375	\$425
<input type="checkbox"/> Non-Member	\$375	\$425
<input type="checkbox"/> Student Member	\$150	\$175
<input type="checkbox"/> Student New-Member*	\$170	\$200
<input type="checkbox"/> Student Non-Member	\$200	\$225
<input type="checkbox"/> Nitric Oxide Workshop	\$100	\$150
<input type="checkbox"/> Guest Registration (Receptions, Hospitality, Banquet)	\$100	\$120
<input type="checkbox"/> Extra Banquet Tickets	\$45	\$50

REGISTRATION TOTAL \_\_\_\_\_

\*New-Member and Student New-Member registration includes one year membership in the The Oxygen Society, one year membership in the International Society for Free Radical Research, monthly issues of The Oxygen Society Journal, *Free Radical Biology & Medicine*, as well as newsletters from The Oxygen Society and from SFFR International.

Requests for refunds will be honored if received in writing by November 10. Please note that all refunds will be issued AFTER the meeting and will be subject to a \$50 processing fee.

### PAYMENT

☐ VISA ☐ MasterCard Card # \_\_\_\_\_ Exp Date \_\_\_\_\_

Cardholder Name (Please Print) \_\_\_\_\_

Signature \_\_\_\_\_

OR

Make check payable to The Oxygen Society and mail to address below. All checks must be made in U.S. Dollars, drawn on U.S. Banks, U.S. postal money orders and U.S. travelers checks also accepted.

Unless appropriate check/charge information accompanies this form you will NOT be considered to be preregistered.


THREE  
WAYS TO  
REGISTER

BY FAX  
415.764.4915  
VISA/MasterCard

BY MAIL  
The Oxygen Society  
74 New Montgomery, Suite 230  
San Francisco, CA 94105  
Checks/VISA/MasterCard

ON-SITE  
Checks/  
VISA/MasterCard

QUESTIONS? CALL KIMBERLY LOFFER AT 415.546.3124

 It is important to us that you enjoy Oxygen '95. If, due to a disability, you have any special needs or requirements, please let us know in the space provided below and we will do our best to accommodate your needs.